Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/23/2019 09:29 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125013	0	1.09	125091	1.07
Blue	F	SSC	125000	125003	0	1.85	125792	1.85
Blue	E	FITC	16122	15699	-3	2.68	341	19.59
Blue	D	PE	29316	28800	-2	1.87	628	14.54
Blue	B	PerCP-Cy5-5	42590	42117	-2	3.63	1124	20.42
Blue	A	PE-Cy7	33146	33331	0	5.82	635	39.61
Red	C	APC	45473	44755	-2	2.45	1585	11.94
Red	A	APC-Cy7	31961	30764	-4	2.39	813	11.96
Violet	B	V450	7914	7484	-6	5.36	416	13.90
Violet	A	V500	29769	28717	-4	5.21	667	11.35

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20684	2.55	606	6	N/A	N/A	Pass
Blue	F	SSC	56782	1.36	552	14	N/A	N/A	Pass
Blue	E	FITC	63	63.54	538	1	0.0217	177	Pass
Blue	D	PE	132	50.54	540	3	0.1822	340	Pass
Blue	B	PerCP-Cy5-5	207	49.42	645	7	0.0090	40	Pass
Blue	A	PE-Cy7	118	99.47	697	6	0.0117	21	Pass
Red	C	APC	377	25.34	585	6	0.0257	203	Pass
Red	A	APC-Cy7	180	28.47	560	4	0.0055	891	Pass
Violet	B	V450	64	62.55	464	4	0.0508	2290	Pass
Violet	A	V500	100	35.58	477	5	0.0211	874	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.31	-31.93	1.00
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.50
Red	17.27	13.60 - 20.40	N/A	N/A	29.59	30.01	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10051

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments